INDEX OF ABSTRACTS

Abernethy, T. J. See Dingle, J. H., *et al.*, 54
Actinomycosis of chest, 2
——, Pulmonary, 60
——, Treatment of, 1
Adenoma, Bronchial, 13, 14
Adhesions, Pleural, 8
Agents, psittacosis-like, Classification of, 10
Alveolar cell tumor, 14
—— lining, 44
Alwall, N. Eosinophilic infiltrations, 53
Andosca, J. B., and Foley, J. A. Basal tuberculosis, 30
Araya, E. See Battro, A., *et al.*, 48
Ardao, H. A., Purriel, P., and Cassinelli, J. F. Cancer and pulmonary tuberculosis, 16
Army, Fluoroscopy in, 24, 25
——, Tuberculosis in, 26
Artificial pneumothorax, 33
Asbestosis, Pulmonary, and carcinoma, 15
Asthma, Morphine in, 8
Asthmatoid respiration, Bronchoscopy and, 8
Atelectasis, Postoperative, 3
——, Pulmonary infarction and, 3
——, Reflex, 3
Atypical pneumonia, 54, 56, 57, 58
Auerbach, O. Generalized miliary tuberculosis, 31
——, ——., and Stemmerman, M. G. Congenital heart disease and tuberculosis, 30
Aufses, A. F. Bronchiectasis caused by bronchial tuberculosis, 33

Bachmann, E. Prophylaxis of tuberculosis, 21
Bacilli, tubercle, bovine, Growth of, with pyruvate, 43
——, ——, Survival of, in glycerol, 43
Bacillus, tubercle, Polysaccharide from, 43
Badger, G. F. See Dingle, J. H., *et al.*, 54
Baltrons, A. F. See Valledor, T., *et al.*, 6
Bartholin, E., and Oyanguren, H. Silicosis, 5
Basal tuberculosis, 30
Battro, A., González Segura, R., Eliçabe, C. A., and Araya, E. Respiration and blood pressure, 48
Bauer, L. See Kenny, G. E., *et al.*, 51
Beck, M. D., Eaton, M. D., and O'Donnel, R. Classification of psittacosis-like agents, 10
Benzençon, C., Cornu, G., Pache, H., Rochat, P., and Urech, E. Epidemiology in a village, 19
Berland, H. I., and Bihss, F. E. Pleuropulmonary tularaemia, 59
Berman, J. K. Nontuberculous empyema in children, 9
Berry, F. B., and Harrison, A. W. Results of thoracoplasty, 37
Bersack, S. R. Hodgkin's disease, 12
Bihss, F. E., and Berland, H. I. Pleuropulmonary tularaemia, 59
Bill, A. H., Jr., and Ladd, W. E. Actinomycosis of chest, 2
Bloch, R. G. Ghon's tubercle, 28
Blood iron in tuberculosis, 48
—— pressure, Respiration and, 48
Boissevain, C. H. Growth of bovine tubercle bacilli with pyruvate, 43
——, ——. ——. Survival of tubercle bacilli in glycerol, 43
Botsztejn, A., and Fanconi, G. Bronchiectasis and fibrosis of pancreas, 61
Bovine tubercle bacilli, Growth of, with pyruvate, 43
—— tuberculosis, 43
Boyd, E. M., Perry, W. F., and Stevens, Mary E. T. Function of tracheal mucosa, 45
Bradshaw, H. H., and O'Neill, J. F. Bronchiectasis, 4
Brock, J. F. Morphine in asthma, 8
Brody, H. Lipid granulomatosis of lung, 5
Bronchial adenoma, 13, 14
—— tuberculosis, Bronchiectasis caused by, 33
—— ——, Pneumothorax in presence of, 35
Bronchiectasis, 4, 60
—— and fibrosis of pancreas, 61
—— caused by bronchial tuberculosis, 33
——, Myocarditis in, 9
Bronchoscopy and asthmatoid respiration, 8
Brunner, A. Intracavitary drainage, 38
Buddingh, G. J. See Dingle, J. H., *et al.*, 54
Buxton, R. W., and O'Rourke, P. V. Thoracoplasty with contralateral pneumothorax, 38

Cake, C. B. See Katz, S., *et al.*, 52
Camalier, W., Jr., and Sprunt, D. H. Reaction of lung to toxins, 9
Cancer and pulmonary tuberculosis, 16
Candida albicans infection, 2
Capacity, Vital, under water, 46
Carcinoma, Pulmonary asbestosis and, 15

Cardiospasm, Pneumonitis complicating, 61
Cassinelli, J. F. See Ardao, H. A., *et al.*, 16
Castleman, B. Pulmonary infarction and atelectasis, 3
Cavities, Tension, 39
Cell, Alveolar, tumor, 14
Chapman, E. M., and Goldstein, A. Physics of sound, 46
Chest, Actinomycosis of, 2
Chesterman, J. Postlobectomy collapse of lung, 41
Chicago, Tuberculosis control in, 21
Children, Cystic disease in, 6
——, Nontuberculous empyema in, 9
——, Tuberculosis among, 23
Chronic nontuberculous pulmonary conditions, The roentgenogram and some, 60
Circulation, Pulmonary and coronary, 46
Circulatory pressures and cough, 47
Classification of psittacosis-like agents, 10
Coblenz, A., and Saccone, A. Endothelioma of pleura, 16
Coccidioidomycosis, 1
Coffee, H., and Lipton, S. Tuberculosis of spleen, 50
Cohen, S. E. See Kenny, G. E., *et al.*, 51
Cold haemagglutination in tuberculosis, 41
Collapse of lung, Postlobectomy, 41
Congenital heart disease and tuberculosis, 30
Contralateral pneumothorax, Thoracoplasty with, 38
Control, Tuberculosis, in Chicago, 21
——, ——, Procedures in, 22
Cornu, G. See Benzençon, C., *et al.*, 19
Coronary circulation, Pulmonary and, 46
Cough, Circulatory pressures and, 47
Curtzwiler, F. C., and Moore, B. E. Atypical pneumonia, 57
Cystic disease in children, 6

Damage, X-ray, Fluoroscopy and, 23
Davis, C. L. See Geever, E. F., *et al.*, 44
Davison, R., and Troy, E. P. Tuberculosis control in Chicago, 21
De, K. N. See Sen, P. K., *et al.*, 35
Diagnosis, Early, of pulmonary tuberculosis, 28
——, Laboratory, of tuberculosis, 42
Dingle, J. H., Abernethy, T. J., Badger, G. F., Buddingh, G. J., Feller, A. E., Langmuir, A. D., Ruegsegger, J. M., and Wood, W. B., Jr. Atypical pneumonia, 54
Disease, Cystic, in children, 6
—, heart, Congenital, and tuberculosis, 30
— Hodgkin's, 12
Disease, Weil's, Pulmonary lesion in, 4
Disqualifying tuberculosis, 25
Drainage, Intracavitary, 38
Dublin, L. I. Tuberculosis in veterans, 26
Dunlap, C. E., and Wells, H. G. Ossification in lungs, 10
Dysgerminoma with tuberculoid reaction, 17

Early diagnosis of pulmonary tuberculosis, 28
Eaton, M. D. See Beck, M. D., *et al.*, 10
Edwards, H. R., and Robins, A. B. Procedures in tuberculosis control, 22
Effusion in pneumothorax, 35, 36
Eliçabe, C. A. See Battro, A., *et al.*, 48
Emphysema, Mediastinal, 12
Empyema, Nontuberculous, in children, 9
Endemic, Tuberculosis, 20
Endothelioma of pleura, 16
Eosinophilic infiltrations, 53
Epidemiology in a village, 19
—— of tuberculosis, 19
Examination, Induction, 25
Extrapleural pneumothorax, 36

Fanconi, G., and Botsztejn, A. Bronchiectasis and fibrosis of pancreas, 61
Feller, A. E. See Dingle, J. H., *et al.*, 54
Fibrosis of pancreas, Bronchiectasis and, 61
Fluorescence microscopy, 42
Fluoroscopy and X-ray damage, 23
—— in Army, 24, 25
Foley, J. A., and Andosca, J. B. Basal tuberculosis, 30
——, ——. ——., —— Kropp, G. V. Polysaccharide from tubercle bacillus, 43
Francisco, R. Tuberculosis of spleen, 49
Frei, C. Fluoroscopy in Army, 25
Frenkel, D. See Nathanson, L., *et al.*, 5
Fried, B. M. Pulmonary osteoarthropathy, 10
Friedberg, S. A. Bronchoscopy and asthmatoid respiration, 8
Frimodt-Möller, J. Intestinal tuberculosis, 51
Function of tracheal mucosa, 45
Fuste, R., See Valledor, T., *et al.*, 6

Gass, R. S. See Stewart, H. C., *et al.*, 19
Geever, E. F., and Neubuerger, K. T. Alveolar cell tumor, 14
——, ——. ——., Neubuerger, K. T., and Davis, C. L. Alveolar lining, 44
Generalized miliary tuberculosis, 31
Genito-urinary tuberculosis, 51
Ghon's tubercle, 28

Gilbert, P. D., and Needles, R. J. Atypical pneumonia, 58
Giroux, M. Bovine tuberculosis, 43
Glycerol, Survival of tubercle bacilli in, 43
Goldstein, A., and Chapman, E. M. Physics of sound, 46
González Segura, R. See Battro, A., *et al.*, 48
Goorwitch, J. Harmlessness of thoracoscopy, 36
Graham, E. A. Pneumonectomy, 40
Granulomatosis, Lipid, of lung, 5
Growth of bovine tubercle bacilli with pyruvate, 43

Haemagglutination, Cold, in tuberculosis, 41
Hamilton, W. F., and Mayo, J. P. Vital capacity under water, 46
——, ——. ——., Woodbury, P. A., and Harper, H. T., Jr. Circulatory pressures and cough, 47
Harmlessness of thoracoscopy, 36
Harper, H. T., Jr. See Hamilton, W. F., *et al.*, 47
Harrington, F. E. See Torres, F. E., *et al.*, 23
Harris, W. H., Jr. Bronchial adenoma, 13
Harrison, A. W., and Berry, F. B. Results of thoracoplasty, 37
Heart disease, Congenital, and tuberculosis, 30
——, Sarcoidosis of, 53
Heller, E. L. Dysgerminoma with tuberculoid reaction, 17
Hinshaw, H. C., and Schmidt, H. W. Bronchiectasis, 60
Hodgkin's disease, 12
Hoffman, A. M., Pobirs, F. W., and Merliss, R. Mediastinal emphysema, 12
Holman, E. Technique of first-stage thoracoplasty, 37
Homburger, F. Pulmonary asbestosis and carcinoma, 15
Households, Tuberculosis in, in Williamstown County, Tennessee, 19
Hudon, F. Postoperative atelectasis, 3
Hull, E. Tuberculosis and pregnancy, 30
Hydatidosis, 5
Hyde, R. W., and Zacks, D. Socio-economic aspects of tuberculosis, 22

Induction examination, 25
Infarction, Pulmonary, and atelectasis, 3
Infection, Candida albicans, 2
Infiltrations, Eosinophilic, 53
Influenza B, 54
Intestinal tuberculosis, 51
Intracavitary drainage, 38
Iron, Blood, in tuberculosis, 48

Jacobi, M. See Nathanson, L., *et al.*, 5
Jason, R. S., and Johnson, J. B. Sarcoidosis of heart, 53
Johnson, J. Pneumonectomy, 17
Johnson, J. B., and Jason, R. S. Sarcoidosis of heart, 53

Katz, S., Cake, C. B., and Reed, H. R. Sarcoidosis, 52
Kenny, G. E., Cohen, S. E., and Bauer, L. Genito-urinary tuberculosis, 51
Koons, M. E. Laboratory diagnosis of tuberculosis, 42
Krautman, B., and Siffert, R. S. Cold haemagglutination in tuberculosis, 41
Kroetz, C. Pulmonary and coronary circulation, 46
Kropp, G. V., and Foley, J. A. Polysaccharide from tubercle bacillus, 43
Kunstler, W. E., and Vineberg, A. M. Tension cavities, 39

Laboratory diagnosis of tuberculosis, 42
Ladd, W. E., and Bill, A. H., Jr. Actinomycosis of chest, 2
Langmuir, A. D. See Dingle, J. H., *et al.*, 54
Lee, H. I. Fluorescence microscopy, 42
Lees, H. D. Tuberculosis among freshman college students, 27
Leitner, St. J. Tuberculosis of lymphatic system, 49
Lesion, Pulmonary, in Weil's disease, 4
Levitin, J. Stereoscopic photoroentgenology, 28
Ligation of vein for thrombophlebitis, 11
Lipid granulomatosis of lung, 5
Lipiodol, Retention of, 62
Lipoid pneumonia, 5
Lipton, S., and Coffee, H. Tuberculosis of spleen, 50
Lobar pneumonia, 53
Long, E. R., and Stearns, W. H. Induction examination, 25
Lowry, T. Bronchial adenoma, 13
Lung, collapse of, Postlobectomy, 41
——, Lipid granulomatosis of, 5
——, Reaction of, to toxins, 9
Lungs, Ossification in, 10
Lymphatic system, Tuberculosis of, 49

Martel, E. See Valledor, T., *et al.*, 6
Mayo, J. P., and Hamilton, W. F. Vital capacity under water, 46
Mazer, M. I., and Seeds, A. E. Atypical pneumonia, 54
McCarthy, P. V. Atypical pneumonia, 57
Mediastinal emphysema, 12
Mendoza, R. G. Triangular paramediastinal shadows, 7
Merkle, C. Treatment of actinomycosis, 1
Merliss, R. See Hoffman, A. M., *et al.*, 12
Miale, J. B. Candida albicans infection, 2
Microscopy, Fluorescence, 42
Mihran, M. K. Early diagnosis of pulmonary tuberculosis, 28
Miliary tuberculosis, Generalized, 31
Moeschlin, S. Pulmonary lesion in Weil's disease, 4
Monkeys, Rectal tuberculosis in, 52
Moore, B. E., and Curtzwiler, F. C. Atypical pneumonia, 57
Morel, C., and Rivas, C. I. Hydatidosis, 5
Morgan, T. N., and Wylie-Smith, R. Lobar pneumonia, 53
Morphine in asthma, 8
Munson, L. Pulmonary tuberculosis in paretics, 33
Murray, F. Primary tuberculosis, 29
Myers, J. A. See Torres, F. E., *et al.*, 23
Myocarditis in bronchiectasis, 9

Nathanson, L., Frenkel, D., and Jacobi, M. Lipoid pneumonia, 5
Needles, R. J., and Gilbert, P. D. Atypical pneumonia, 58
Neubuerger, K. T., and Geever, E. F. Alveolar cell tumor, 14
——, ——. ——. See Geever, E. F., *et al.*, 44
Nontuberculous empyema in children, 9
—— pulmonary conditions, chronic, The roentgenogram and some, 60

O'Donnel, R. See Beck, M. D., *et al.*, 10
O'Neill, J. F., and Bradshaw, H. H. Bronchiectasis, 4
Oral mucosa, Tuberculosis of, 50
O'Rourke, P. V., and Buxton, R. W. Thoracoplasty with contralateral pneumothorax, 38
Ossification in lungs, 10
Osteoarthropathy, Pulmonary, 10
Owen, C. A. Atypical pneumonia, 58
Oyanguren, H., and Bartholin, E. Silicosis, 5

Pache, H. See Benzençon, C., *et al.*, 19
Palik, E. E., and Schenken, J. R. Coccidioidomycosis, 1
Pancreas, fibrosis of, Bronchiectasis and, 61
Parada, Dr. Reflex atelectasis, 3
Paramediastinal shadows, Triangular, 7
Paretics, Pulmonary tuberculosis in, 33
Perrone, H., and Wright, M. Atypical pneumonia, 57
Perry, W. F. See Boyd, E. M., *et al.*, 45
Photoroentgenology, Stereoscopic, 28
Phthiocerol, 44
Physics of sound, 46
Pillsbury, N. H., and Wassersug, J. D. Pulmonary actinomycosis, 60
Pleura, Endothelioma of, 16
Pleural adhesions, 8
Pleuropulmonary tularaemia, 59
Pneumonectomy, 17, 40
Pneumonia, Lipoid, 5
——, Lobar, 53
Pneumonitis complicating cardiospasm, 61
——, Radiation, 12
Pneumothorax, Artificial, 33
——, contralateral, Thoracoplasty with, 38
——, Effusion in, 35, 36
——, Extrapleural, 36
—— in presence of bronchial tuberculosis, 35
Pobirs, F. W. See Hoffman, A. M., *et al.*, 12
Polysaccharide from tubercle bacillus, 43
Postlobectomy collapse of lung, 41
Postoperative atelectasis, 3
Pregnancy, Tuberculosis and, 30
Pressures, Circulatory, and cough, 47
Primary tuberculosis, 29
Prophylaxis of tuberculosis, 21
Psittacosis-like agents, Classification of, 10
Puffer, Ruth R. See Stewart, H. C., *et al.*, 19
Pulmonary actinomycosis, 60
—— and coronary circulation, 46
—— asbestosis and carcinoma, 15
—— conditions, nontuberculous, chronic, The roentgenogram and some, 60
—— infarction and atelectasis, 3
—— lesion in Weil's disease, 4
—— osteoarthropathy, 10
—— tuberculosis, Cancer and, 16
—— ——, Early diagnosis of, 28
—— —— in paretics, 33
Purriel, P. See Ardao, H. A., *et al.*, 16

Radiation pneumonitis, 12
Rafferty, T. N. Artificial pneumothorax, 33

Rafferty, T. N., and Shields, D. O. Pneumothorax in presence of bronchial tuberculosis, 35
Ray, K. S., Sen, N. N., and Talukdar, N. C. Effusion in pneumothorax, 36
Reaction of lung to toxins, 9
——, tuberculoid, Dysgerminoma with, 17
Rectal tuberculosis in monkeys, 52
Reed, H. R. See Katz, S., *et al.*, 52
Reflex atelectasis, 3
Reginster, A. Blood iron in tuberculosis, 48
Respiration and blood pressure, 48
——, asthmatoid, Bronchoscopy and, 8
Rest, A. The roentgenogram and some chronic nontuberculous pulmonary conditions, 60
Results of thoracoplasty, 37
Retention of lipiodol, 62
Rhoads, P. S. Atypical pneumonia, 56
Rilance, A. B., and Warring, F. C., Jr. Pneumonitis complicating cardiospasm, 61
Riordan, J. T. Rectal tuberculosis in monkeys, 52
Rivas, C. I., and Morel, C. Hydatidosis, 5
Robins, A. B., and Edwards, H. R. Procedures in tuberculosis control, 22
Rochat, P. See Benzençon, C., *et al.*, 19
Roentgenogram and some chronic nontuberculous pulmonary conditions, 60
Ruegsegger, J. M. See Dingle, J. H., *et al.*, 54
Russo, J. G. Extrapleural pneumothorax, 36

Saccone, A., and Coblenz, A. Endothelioma of pleura, 16
Saphir, O. Myocarditis in bronchiectasis, 9
Sarcoidosis, 52
—— of heart, 53
Schenken, J. R., and Palik, E. E. Coccidioidomycosis, 1
Schmidt, H. W., and Hinshaw, H. C. Bronchiectasis, 60
Seeds, A. E., and Mazer, M. I. Atypical pneumonia, 54
Seideman, R. M. Epidemiology of tuberculosis, 19
Sekar, C. C. See Sen, P. K., *et al.*, 35
Sen, N. N. See Ray, K. S., *et al.*, 36
Sen, P. K., Sekar, C. C., and De, K. N. Effusion in pneumothorax, 35
Shackelford, R. T., and Whitehall, R. Ligation of vein for thrombophlebitis, 11
Shadows, paramediastinal, Triangular, 7
Sheldon, F. B. Retention of lipiodol, 62
Shields, D. O., and Rafferty, T. N. Pneumothorax in presence of bronchial tuberculosis, 35
Siffert, R. S., and Krautman, B. Cold haemagglutination in tuberculosis, 41
Silicosis, 5
Smith, E. B. Pleural adhesions, 8
Socio-economic aspects of tuberculosis, 22
Sound, Physics of, 46
Spleen, Tuberculosis of, 49, 50
Sprunt, D. H., and Camalier, W., Jr. Reaction of lung to toxins, 9
Stansfeld, J. M., and Stuart-Harris, C. H. Influenza B, 54
Stearns, W. H., and Long, E. R. Induction examination, 25
Stemmerman, M. G., and Auerbach, O. Congenital heart disease and tuberculosis, 30
Stenhagen, E. Phthiocerol, 44
Stereoscopic photoroentgenology, 28
Stevens, Mary E. T. See Boyd, E. M., *et al.*, 45
Stewart, H. C., Gass, R. S., Puffer, Ruth R., and Williams, W. C. Tuberculosis in households in Williamstown County, Tennessee, 19
Stout, A. P. Bronchial adenoma, 14
Stuart-Harris, C. H., and Stansfeld, J. M. Influenza B, 54
Students, college, freshman, Tuberculosis among, 27
——, ——, Tuberculosis among, 27
Survival of tubercle bacilli in glycerol, 43

Talukdar, N. C. See Ray, K. S., *et al.*, 36
Technique of first-stage thoracoplasty, 37
Tennessee, Williamstown County, Tuberculosis in households in, 19
Tension cavities, 39
Thoracoplasty, first-stage, Technique of, 37
——, Results of, 37
—— with contralateral pneumothorax, 38
Thoracoscopy, Harmlessness of, 36
Thrombophlebitis, Ligation of vein for, 11
Torres, F. E., Myers, J. A., and Harrington, F. E. Tuberculosis among children, 23
Toxins, Reaction of lung to, 9
Tracheal mucosa, Function of, 45
Treatment of actinomycosis, 1
Triangular paramediastinal shadows, 7
Troy, E. P., and Davison, R. Tuberculosis control in Chicago, 21

Tubercle bacilli, bovine, Growth of, with pyruvate, 43
—— ——, Survival of, in glycerol, 43
—— bacillus, Polysaccharide from, 43
——, Ghon's, 28
Tuberculoid reaction, Dysgerminoma with, 17
Tuberculosis among children, 23
—— —— college students, 27
—— —— freshman college students, 27
—— and pregnancy, 30
——, Basal, 30
——, Blood iron in, 48
——, Bovine, 43
——, bronchial, Bronchiectasis caused by, 33
——, ——, Pneumothorax in presence of, 35
——, Cold haemagglutination in, 41
——, Congenital heart disease and, 30
—— control in Chicago, 21
—— ——, Procedures in, 22
——, Disqualifying, 25
—— endemic, 20
——, Epidemiology of, 19
——, Genito-urinary, 51
—— in Army, 26
—— —— households in Williamstown County, Tennessee, 19
—— —— veterans, 26
——, Intestinal, 51
——, Laboratory diagnosis of, 42
——, miliary, Generalized, 31
—— of lymphatic system, 49
—— —— oral mucosa, 50
—— —— spleen, 49, 50
——, Primary, 29
——, Prophylaxis of, 21
——, pulmonary, Cancer and, 16
——, ——, Early diagnosis of, 28
——, ——, in paretics, 33
——, Rectal, in monkeys, 52
——, Socio-economic aspects of, 22
Tularaemia, Pleuropulmonary, 59
Tumor, Alveolar cell, 14
Uehlinger, E. Tuberculosis endemic, 20
Urech, E. See Benzençon, C., *et al.*, 19

Valledor, T., Martel, E., Fuste, R., and Baltrons, A. F. Cystic disease in children, 6
Vein, Ligation of, for thrombophlebitis, 11
Veterans, Tuberculosis in, 26
Village, Epidemiology in a, 19
Vineberg, A. M., and Kunstler, W. E. Tension cavities, 39
Vital capacity under water, 46

Warfield, C. H. Disqualifying tuberculosis, 25
Warren, S. Radiation pneumonitis, 12
Warring, F. C., Jr., and Rilance, A. B. Pneumonitis complicating cardiospasm, 61
Wassersug, J. D., and Pillsbury, N. H. Pulmonary actinomycosis, 60
Water, Vital capacity under, 46
Weber, H. H. Fluoroscopy and X-ray damage, 23
——, ——. ——. Fluoroscopy in Army, 24
Weil's disease, Pulmonary lesion in, 4
Wells, H. G., and Dunlap, C. E. Ossification in lungs, 10
Whitehall, R., and Shackelford, R. T. Ligation of vein for thrombophlebitis, 11
Williams, W. C. See Stewart, H. C., *et al.*, 19
Wissler, H. Tuberculosis of oral mucosa, 50
Wood, W. B., Jr. See Dingle, J. H., *et al.*, 54
Woodbury, P. A. See Hamilton, W. F., *et al.*, 47
Wright, M., and Perrone, H. Atypical pneumonia, 57
Wylie-Smith, R., and Morgan, T. N. Lobar pneumonia, 53

X-ray damage, Fluoroscopy and, 23

Zacks, D., and Hyde, R. W. Socio-economic aspects of tuberculosis, 22